

21-Oct-16

## REPORT OF NAVIGATION CHANNELS

EP 1130-2-520

**COLUMBIA RIVER - OREGON & WASHINGTON**

MOUTH THROUGH PILLAR ROCK LOWER RANGE mile 25.2

Minimum depths in each 1/4 width of  
channel entering from seaward

## Mid-Channel

Authorized Project NAME OF CHART Name of Channel (Mileage)	Date of Survey	Feet Width	Miles Length	Project Depth	Left Outside Quarter Feet	Left Inside Quarter Feet	Right Inside Quarter Feet	Right Outside Quarter Feet
<b>MOUTH OF COLUMBIA RIVER</b>	<b>28-Sep-16</b>							
Entrance Range **see note below (-2.5 - 0.8)		2000	3.3	55	59	59	56	**
		640	3.3	48	**	**	**	46
Sand Island Range **see note below (0.8 - 3.0)		2000	2.2	55	54	55	54	**
		640	2.2	48	**	**	**	47
<b>LOWER DESDEMONA SANDS</b>	<b>21-Sep-16</b>							
Lower Desdemona Sands (3.0 - 6.4)		600	3.4	43	47	48	50	51
<b>UPPER DESDEMONA SANDS</b>	<b>15-Aug-16</b>							
Upper Desdemona Sands (6.4 - 10.0)		600	3.6	43	43	44	43	41
<b>FLAVEL BAR</b>	<b>30-Sep-16</b>							
Tansy Point Turn & Range (10.0 -13.6)		600	3.6	43	42	44	45	35
<b>UPPER SANDS</b>	<b>1-Oct-16</b>							
Tansy Point Turn & Range (13.6 - 14.8)		600	1.2	43	41	44	45	42
Astoria Range (14.8 - 17.5)		600	2.7	43	41	43	43	36
<b>TONGUE POINT CROSSING</b>	<b>30-Sep-16</b>							
Tongue Point Channel (17.5 - 19.7)		600	2.2	43	40	43	44	44
Harrington Point Range (19.7 - 21.4)		600	1.7	43	42	44	43	39
<b>MILLER SANDS</b>	<b>6-Sep-16</b>							
Harrington Point Range (21.4 - 22.3)		600	0.9	43	39	43	44	39
Miller Sands Range (22.3 - 24.5)		600	2.2	43	41	44	43	28
Pillar Rock Lower Range (24.5 - 25.2)		600	0.7	43	39	44	44	40

ENG Form 4020-R (Nov 1990)

Reference is Navigation Chart No. 18521.

Note: Controlling Depths in Channels Entering from Seaward in feet at Mean Lower Low Water from the Entrance to Harrington Point and Columbia River Datum above that point. \*\* Channel is 2640 feet wide with Right Outside Quarter (640 feet) maintained at only 48 feet depth.

COLUMBIA RIVER CHANNEL DEPTHS								
ENTRANCE TO MILLER SANDS RANGE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF						21-Oct-16		
Controlling Depths in Feet at MEAN LOWER LOW WATER (MLLW) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length STAT (Miles)	Depth (Feet)
Entrance Range **	59	59	56	**	28-Sep-16	2000	3.3	55
	**	**	**	46	28-Sep-16	640	3.3	48
Sand Island Range **	54	55	54	**	28-Sep-16	2000	2.2	55
	**	**	**	47	28-Sep-16	640	2.2	48
Lower Desdemona Sands	47	48	50	51	21-Sep-16	600	3.4	43
Upper Desdemona Sands	43	44	43	41	15-Aug-16	600	3.6	43
Tansy Point Turn & Range	41	44	45	35	1-Oct-16	600	4.8	43
Astoria Range	41	43	43	36	1-Oct-16	600	2.7	43
Tongue Point Channel	40	43	44	44	30-Sep-16	600	2.2	43
Harrington Point Range	39	43	43	39	30-Sep-16	600	2.6	43
Miller Sands Range * (CRD)	41	44	43	28	6-Sep-16	600	2.2	43
* Controlling Depths in Channels Entering from Seaward in feet at Mean Lower Low Water from the Entrance to Harrington Point and Columbia River Datum (CRD) above that point. For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: <a href="http://www.nwp.usace.army.mil/Missions/Navigation.aspx">http://www.nwp.usace.army.mil/Missions/Navigation.aspx</a> Channel status reports ** Channel width is 2640 feet with two controlling depths, northern width is 2000 feet and southern width is 640 feet								

Reduce size to **80%** of current size to print out to a size that matches tab boxes currently on NOAA charts.